

# Deployit Webserver Plugin Manual

Version 3.9.1

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## Preface

This document describes the functionality provided by the Webserver plugin.

See the **Deployit Reference Manual** for background information on Deployit and deployment concepts.

## Overview

The webserver-plugin is a Deployit plugin that supports deployment of web content and webserver configuration to a webserver.

## Features

- Runs on Deployit 3.6 and up.
- Supports deployment to Apache and IHS web servers.
- Deploys and undeploys webserver artifacts:
  - Web content (HTML pages, images, etc.)
  - Virtual host configuration
  - Any configuration fragment
- Supports starting, stopping and restarting of web servers as control tasks.

## Requirements

- **Deployit requirements**
  - **Deployit:** version 3.6+
  - **Other Deployit Plugins:** None
- **Infrastructural requirements**
  - **User credentials** for accessing the web server executables on the host running the web server.

## Usage in Deployment Packages

The following is a manifest snippet that shows how web content and a virtual host can be included in a deployment package. The web content CI refers to a folder, *html*, included in the deployment package.

```
Manifest-Version: 1.0
Deployit-Package-Format-Version: 1.3
CI-Application: PetClinic-ear
CI-Version: 2.0

Name: PetClinic-2.0.ear
CI-Type: jee.Ear
CI-Name: PetClinic

Name: html
CI-Type: www.WebContent
CI-Name: PetClinic-html

Name: PetClinic-vh
CI-Type: www.ApacheVirtualHostSpec
CI-host: *
CI-port: 8080
```

## Using the deployables and deployed

The following table describes which deployable/container combinations are possible.

### Deployable vs. Container table

Deployable	Container	Generated deployed
www.WebContent	www.ApacheHttpdServer	www.PublishedWebContent
www.ApacheVirtualHostSpec	www.ApacheHttpdServer	www.ApacheVirtualHost
www.ApacheConfFragmentSpec	www.ApacheHttpdServer	www.ApacheConfFragment

The following table describes the effect a deployed has on it's container.

## Deployed Actions Table

Deployed	Actions performed for operations		
	Create	Destroy	Modify
<a href="#">www.PublishedWebContent</a>	<ul style="list-style-type: none"> <li>Create target path on webserver, if needed</li> <li>Copy web content to target path on webserver</li> </ul>	<ul style="list-style-type: none"> <li>Delete web content from host</li> </ul>	<ul style="list-style-type: none"> <li>Delete existing web content from webserver</li> <li>Copy modified web content to target path on webserver</li> </ul>
<a href="#">www.ApacheVirtualHost</a>	<ul style="list-style-type: none"> <li>Copy virtual host configuration to webserver</li> </ul>	<ul style="list-style-type: none"> <li>Delete virtual host configuration from webserver</li> </ul>	<ul style="list-style-type: none"> <li>Delete virtual host configuration from webserver</li> <li>Copy new virtual host configuration to webserver</li> </ul>
<a href="#">www.ApacheConfFragment</a>	<ul style="list-style-type: none"> <li>Copy configuration fragment to webserver</li> </ul>	<ul style="list-style-type: none"> <li>Delete configuration fragment from webserver</li> </ul>	<ul style="list-style-type: none"> <li>Delete configuration fragment from webserver</li> <li>Copy new configuration fragment to webserver</li> </ul>

## CI Reference

### Configuration Item Overview

#### Deployables

CI	Description
<a href="#">www.ApacheConfFile</a>	Apache configuration file
<a href="#">www.ApacheConfFragmentSpec</a>	Specification for an Apache configuration fragment
<a href="#">www.ApacheProxyPassSpec</a>	Description unavailable (deployable)
<a href="#">www.ApacheVirtualHostSpec</a>	Specification for an Apache virtual host
<a href="#">www.WebContent</a>	Folder containing web content (HTML pages, images, etc)

#### Deployeds

CI	Description
<a href="#">www.ApacheConfFragment</a>	Deployed generated Apache configuration file
<a href="#">www.ApacheProxyPass</a>	Description unavailable
<a href="#">www.ApacheVirtualHost</a>	Apache virtual host
<a href="#">www.DeployedApacheConfFile</a>	Deployed Apache configuration file
<a href="#">www.PublishedWebContent</a>	Web content on the webserver

#### Containers

CI	Description
<a href="#">www.ApacheHttpdServer</a>	Apache HTTPD web server

### Other Configuration Items

CI	Description
<a href="#">www.ApacheConfFile</a>	Apache configuration file
<a href="#">www.ApacheConfFragment</a>	Deployed generated Apache configuration file
<a href="#">www.ApacheConfFragmentSpec</a>	Specification for an Apache configuration fragment
<a href="#">www.ApacheHttpdServer</a>	Apache HTTPD web server
<a href="#">www.ApacheProxyPass</a>	Description unavailable
<a href="#">www.ApacheProxyPassSpec</a>	Description unavailable (deployable)
<a href="#">www.ApacheVirtualHost</a>	Apache virtual host
<a href="#">www.ApacheVirtualHostSpec</a>	Specification for an Apache virtual host
<a href="#">www.DeployedApacheConfFile</a>	Deployed Apache configuration file
<a href="#">www.PublishedWebContent</a>	Web content on the webserver
<a href="#">www.WebContent</a>	Folder containing web content (HTML pages, images, etc)

### Configuration Item Details

## www.ApacheConfFile

**Type Hierarchy** generic.File >> udm.BaseDeployableFileArtifact >>  
 udm.BaseDeployableArtifact >> udm.BaseDeployable >>  
 udm.BaseConfigurationItem

**Interfaces** udm.Taggable, udm.Deployable, udm.SourceArtifact, udm.Artifact,  
 udm.DeployableArtifact, udm.ConfigurationItem, udm.FileArtifact

Apache configuration file

Public Properties	
<b>checksum</b> :	STRING The checksum used to detect differences on the artifact. If not provided, it will be calculated by Deployit.
<b>excludeFileNamesRegex</b> :	STRING Regular expression that matches file names that must be excluded from scanning
<b>placeholders</b> :	SET_OF_STRING Placeholders detected in this artifact
<b>scanPlaceholders</b> :	BOOLEAN = true Whether to scan this artifact for placeholders when it is imported
<b>tags</b> :	SET_OF_STRING If set, this deployable will only be mapped automatically to containers with the same tag.
Hidden Properties	
<b>* textFileNamesRegex</b> :	STRING = .+\. (cfg   conf   config   ini   properties   props   txt   asp   aspx   htm   html   jsf   jsp   xht   xhtml   sql   xml   xsd   xsl   xslt) Regular expression that matches file names of text files

## www.ApacheConfFragment

**Type Hierarchy** generic.ProcessedTemplate >> generic.AbstractDeployedArtifact >>  
 generic.AbstractDeployed >> udm.BaseDeployed >>  
 udm.BaseConfigurationItem

**Interfaces** udm.EmbeddedDeployedContainer, udm.Deployed,  
 udm.ConfigurationItem

Deployed generated Apache configuration file

Parent	
<b>* container</b> :	CI<udm.Container> The container on which this deployed runs.
Public Properties	
<b>deployable</b> :	CI<udm.Deployable> The deployable that this deployed is derived from.

Hidden Properties
<p><b>* createOptions</b> : SET_OF_STRING = [uploadArtifactData, uploadClasspathResources, uploadTemplateClasspathResources] Options for the create step (1 or more of: none,uploadArtifactData,uploadClasspathResources,uploadTemplateClasspathResources).</p>
<p><b>* createOrder</b> : INTEGER = 50 The order of the step in the step list for the create operation.</p>
<p><b>* createVerb</b> : STRING = Deploy Create Verb</p>
<p><b>* destroyOptions</b> : SET_OF_STRING = [uploadArtifactData, uploadClasspathResources, uploadTemplateClasspathResources] Options for the destroy step (1 or more of: none,uploadArtifactData,uploadClasspathResources,uploadTemplateClasspathResources).</p>
<p><b>* destroyOrder</b> : INTEGER = 40 The order of the step in the step list for the destroy operation.</p>
<p><b>* destroyVerb</b> : STRING = Remove Destroy Verb</p>
<p><b>* modifyOptions</b> : SET_OF_STRING = [uploadArtifactData, uploadClasspathResources, uploadTemplateClasspathResources] Options for the modify step (1 or more of: none,uploadArtifactData,uploadClasspathResources,uploadTemplateClasspathResources).</p>
<p><b>* modifyOrder</b> : INTEGER = 50 The order of the step in the step list for the modify operation.</p>
<p><b>* modifyVerb</b> : STRING = Modify Modify Verb</p>
<p><b>* noopOptions</b> : SET_OF_STRING = [uploadArtifactData, uploadClasspathResources, uploadTemplateClasspathResources] Options for the noop step (1 or more of: none,uploadArtifactData,uploadClasspathResources,uploadTemplateClasspathResources).</p>
<p><b>* noopOrder</b> : INTEGER = 50 The order of the step in the step list for the noop operation.</p>
<p><b>* noopVerb</b> : STRING = Modify Noop Verb</p>
<p><b>* targetDirectory</b> : STRING = \${deployed.container.configurationFragmentDirectory} Target directory name</p>
<p><b>* targetFile</b> : STRING = \${deployed.name}.conf Target file name</p>
<p><b>* template</b> : STRING = www/apache/\${deployed.type}.conf.ftl Configuration fragment template file name.</p>
<p><b>createTargetDirectory</b> : BOOLEAN = false Create the target directory on the generic server if it does not exist.</p>
<p><b>inspectClasspathResources</b> : SET_OF_STRING Additional classpath resources that should be uploaded to the working directory before executing the inspect script.</p>
<p><b>inspectScript</b> : STRING Classpath to the script used to inspect the generic container.</p>
<p><b>inspectTemplateClasspathResources</b> : SET_OF_STRING Additional template classpath resources that should be uploaded to the working directory before executing the inspect script. The template is first rendered and the rendered content copied to a file, with the same name as the template, in the working directory.</p>
<p><b>restartRequired</b> : BOOLEAN = true Restart Required</p>
<p><b>restartRequiredForNoop</b> : BOOLEAN = false The generic container requires a restart for the NOOP action performed by this deployed.</p>
<p><b>targetDirectoryShared</b> : BOOLEAN = true Is the target directory shared by others on the generic server. When true, the target directory is not deleted during a destroy operation; only the artifacts copied to it.</p>

**Type Hierarchy** generic.Resource >> udm.BaseDeployable >>  
udm.BaseConfigurationItem

**Interfaces** udm.Taggable, udm.Deployable, udm.ConfigurationItem

Specification for an Apache configuration fragment.

#### Public Properties

**tags** : SET\_OF\_STRING

If set, this deployable will only be mapped automatically to containers with the same tag.

### www.ApacheHttpdServer

**Type Hierarchy** generic.Container >> generic.BaseGenericContainer >>  
udm.BaseContainer >> udm.BaseConfigurationItem

**Interfaces** udm.Taggable, udm.ConfigurationItem, generic.GenericContainer,  
udm.Container, overthere.HostContainer

Apache HTTPD web server

#### Parent

\* **host** : CI<overthere.Host>

Host upon which the container resides

Hidden Properties	
<b>* restartOrder</b> : <b>INTEGER</b> = 90	The order of the restart container step in the step list.
<b>* restartScript</b> : <b>STRING</b> = <code>&lt;#assign restart=(container.restartCommand)!"&gt;&lt;#if restart != "&gt;www/apache/restart&lt;#else&gt;www/apache/stopstart</code>	The command to restart or reload Apache. If left blank, the sequence 'stop, start' is used. Arguments containing spaces are not supported
<b>* startOrder</b> : <b>INTEGER</b> = 90	The order of the start container step in the step list.
<b>* startScript</b> : <b>STRING</b> = <code>www/apache/start</code>	The command to start Apache. Arguments containing spaces are not supported
<b>* stopOrder</b> : <b>INTEGER</b> = 10	The order of the stop container step in the step list.
<b>* stopScript</b> : <b>STRING</b> = <code>www/apache/stop</code>	The command to stop Apache. Arguments containing spaces are not supported
<b>inspectClasspathResources</b> : <b>SET_OF_STRING</b>	Additional classpath resources that should be uploaded to the working directory before executing the inspect script.
<b>inspectScript</b> : <b>STRING</b>	Classpath to the script used to inspect the generic container.
<b>inspectTemplateClasspathResources</b> : <b>SET_OF_STRING</b>	Additional template classpath resources that should be uploaded to the working directory before executing the inspect script. The template is first rendered and the rendered content copied to a file, with the same name as the template, in the working directory.
<b>restartClasspathResources</b> : <b>SET_OF_STRING</b>	Additional classpath resources that should be uploaded to the working directory before executing the restart script.
<b>restartTemplateClasspathResources</b> : <b>SET_OF_STRING</b>	Additional template classpath resources that should be uploaded to the working directory before executing the restart script. The template is first rendered and the rendered content copied to a file, with the same name as the template, in the working directory.
<b>startClasspathResources</b> : <b>SET_OF_STRING</b>	Additional classpath resources that should be uploaded to the working directory before executing the start script.
<b>startTemplateClasspathResources</b> : <b>SET_OF_STRING</b>	Additional template classpath resources that should be uploaded to the working directory before executing the start script. The template is first rendered and the rendered content copied to a file, with the same name as the template, in the working directory.
<b>stopClasspathResources</b> : <b>SET_OF_STRING</b>	Additional classpath resources that should be uploaded to the working directory before executing the stop script.
<b>stopTemplateClasspathResources</b> : <b>SET_OF_STRING</b>	Additional template classpath resources that should be uploaded to the working directory before executing the stop script. The template is first rendered and the rendered content copied to a file, with the same name as the template, in the working directory.

Control task	Parameter CI	Attributes	Description
<b>restart</b>			Restart Apache
<b>start</b>			Start Apache
<b>stop</b>			Stop Apache

## www.ApacheProxyPass

**Type Hierarchy** [www.ApacheConfFragment](#) >> generic.ProcessedTemplate >> generic.AbstractDeployedArtifact >> generic.AbstractDeployed >> udm.BaseDeployed >> udm.BaseConfigurationItem

**Interfaces** udm.EmbeddedDeployedContainer, udm.Deployed, udm.ConfigurationItem

Description unavailable

Parent	
<b>* container</b> : <b>CI</b> <udm.Container>	The container on which this deployed runs.



Public Properties	
* <b>from</b> : <b>STRING</b>	The path that needs to be proxied
* <b>to</b> : <b>STRING</b>	The URL that the from path needs to be proxied to
<b>deployable</b> : <b>CI&lt;udm.Deployable&gt;</b>	The deployable that this deployed is derived from.
<b>options</b> : <b>STRING</b> =	The proxy parameters
<b>reverse</b> : <b>BOOLEAN</b> = <b>false</b>	Whether to set up a ProxyPassReverse also

Hidden Properties	
<b>* createOptions</b> : SET_OF_STRING = [uploadArtifactData, uploadClasspathResources, uploadTemplateClasspathResources]	Options for the create step (1 or more of: none,uploadArtifactData,uploadClasspathResources,uploadTemplateClasspathResources).
<b>* createOrder</b> : INTEGER = 50	The order of the step in the step list for the create operation.
<b>* createVerb</b> : STRING = Deploy	Create Verb
<b>* destroyOptions</b> : SET_OF_STRING = [uploadArtifactData, uploadClasspathResources, uploadTemplateClasspathResources]	Options for the destroy step (1 or more of: none,uploadArtifactData,uploadClasspathResources,uploadTemplateClasspathResources).
<b>* destroyOrder</b> : INTEGER = 40	The order of the step in the step list for the destroy operation.
<b>* destroyVerb</b> : STRING = Remove	Destroy Verb
<b>* modifyOptions</b> : SET_OF_STRING = [uploadArtifactData, uploadClasspathResources, uploadTemplateClasspathResources]	Options for the modify step (1 or more of: none,uploadArtifactData,uploadClasspathResources,uploadTemplateClasspathResources).
<b>* modifyOrder</b> : INTEGER = 50	The order of the step in the step list for the modify operation.
<b>* modifyVerb</b> : STRING = Modify	Modify Verb
<b>* noopOptions</b> : SET_OF_STRING = [uploadArtifactData, uploadClasspathResources, uploadTemplateClasspathResources]	Options for the noop step (1 or more of: none,uploadArtifactData,uploadClasspathResources,uploadTemplateClasspathResources).
<b>* noopOrder</b> : INTEGER = 50	The order of the step in the step list for the noop operation.
<b>* noopVerb</b> : STRING = Modify	Noop Verb
<b>* targetDirectory</b> : STRING = \${deployed.container.configurationFragmentDirectory}	Target directory name
<b>* targetFile</b> : STRING = \${deployed.name}.conf	Target file name
<b>* template</b> : STRING = www/apache/\${deployed.type}.conf.ftl	Configuration fragment template file name.
<b>createTargetDirectory</b> : BOOLEAN = false	Create the target directory on the generic server if it does not exist.
<b>inspectClasspathResources</b> : SET_OF_STRING	Additional classpath resources that should be uploaded to the working directory before executing the inspect script.
<b>inspectScript</b> : STRING	Classpath to the script used to inspect the generic container.
<b>inspectTemplateClasspathResources</b> : SET_OF_STRING	Additional template classpath resources that should be uploaded to the working directory before executing the inspect script. The template is first rendered and the rendered content copied to a file, with the same name as the template, in the working directory.
<b>restartRequired</b> : BOOLEAN = true	Restart Required
<b>restartRequiredForNoop</b> : BOOLEAN = false	The generic container requires a restart for the NOOP action performed by this deployed.
<b>targetDirectoryShared</b> : BOOLEAN = true	Is the target directory shared by others on the generic server. When true, the target directory is not deleted during a destroy operation; only the artifacts copied to it.

**Type Hierarchy** [www.ApacheConfFragmentSpec](#) >> generic.Resource >>  
udm.BaseDeployable >> udm.BaseConfigurationItem

**Interfaces** udm.Taggable, udm.Deployable, udm.ConfigurationItem

Description unavailable (deployable)

Public Properties	
<b>from</b> :	<b>STRING</b> The path that needs to be proxied (string)
<b>options</b> :	<b>STRING</b> The proxy parameters (string)
<b>reverse</b> :	<b>STRING</b> Whether to set up a ProxyPassReverse also (boolean)
<b>tags</b> :	<b>SET_OF_STRING</b> If set, this deployable will only be mapped automatically to containers with the same tag.
<b>to</b> :	<b>STRING</b> The URL that the from path needs to be proxied to (string)

## www.ApacheVirtualHost

**Type Hierarchy** [www.ApacheConfFragment](#) >> generic.ProcessedTemplate >>  
generic.AbstractDeployedArtifact >> generic.AbstractDeployed >>  
udm.BaseDeployed >> udm.BaseConfigurationItem

**Interfaces** udm.EmbeddedDeployedContainer, udm.Deployed,  
udm.ConfigurationItem

Apache virtual host

Parent	
* <b>container</b> :	<b>CI&lt;udm.Container&gt;</b> The container on which this deployed runs.

Hidden Properties
<p><b>* createOptions</b> : SET_OF_STRING = [uploadArtifactData, uploadClasspathResources, uploadTemplateClasspathResources] Options for the create step (1 or more of: none,uploadArtifactData,uploadClasspathResources,uploadTemplateClasspathResources).</p>
<p><b>* createOrder</b> : INTEGER = 50 The order of the step in the step list for the create operation.</p>
<p><b>* createVerb</b> : STRING = Deploy Create Verb</p>
<p><b>* destroyOptions</b> : SET_OF_STRING = [uploadArtifactData, uploadClasspathResources, uploadTemplateClasspathResources] Options for the destroy step (1 or more of: none,uploadArtifactData,uploadClasspathResources,uploadTemplateClasspathResources).</p>
<p><b>* destroyOrder</b> : INTEGER = 40 The order of the step in the step list for the destroy operation.</p>
<p><b>* destroyVerb</b> : STRING = Remove Destroy Verb</p>
<p><b>* modifyOptions</b> : SET_OF_STRING = [uploadArtifactData, uploadClasspathResources, uploadTemplateClasspathResources] Options for the modify step (1 or more of: none,uploadArtifactData,uploadClasspathResources,uploadTemplateClasspathResources).</p>
<p><b>* modifyOrder</b> : INTEGER = 50 The order of the step in the step list for the modify operation.</p>
<p><b>* modifyVerb</b> : STRING = Modify Modify Verb</p>
<p><b>* noopOptions</b> : SET_OF_STRING = [uploadArtifactData, uploadClasspathResources, uploadTemplateClasspathResources] Options for the noop step (1 or more of: none,uploadArtifactData,uploadClasspathResources,uploadTemplateClasspathResources).</p>
<p><b>* noopOrder</b> : INTEGER = 50 The order of the step in the step list for the noop operation.</p>
<p><b>* noopVerb</b> : STRING = Modify Noop Verb</p>
<p><b>* targetDirectory</b> : STRING = \${deployed.container.configurationFragmentDirectory} Target directory name</p>
<p><b>* targetFile</b> : STRING = \${deployed.name}.conf Target file name</p>
<p><b>* template</b> : STRING = www/apache/\${deployed.type}.conf.ftl Configuration fragment template file name.</p>
<p><b>createTargetDirectory</b> : BOOLEAN = false Create the target directory on the generic server if it does not exist.</p>
<p><b>inspectClasspathResources</b> : SET_OF_STRING Additional classpath resources that should be uploaded to the working directory before executing the inspect script.</p>
<p><b>inspectScript</b> : STRING Classpath to the script used to inspect the generic container.</p>
<p><b>inspectTemplateClasspathResources</b> : SET_OF_STRING Additional template classpath resources that should be uploaded to the working directory before executing the inspect script. The template is first rendered and the rendered content copied to a file, with the same name as the template, in the working directory.</p>
<p><b>restartRequired</b> : BOOLEAN = true Restart Required</p>
<p><b>restartRequiredForNoop</b> : BOOLEAN = false The generic container requires a restart for the NOOP action performed by this deployed.</p>
<p><b>targetDirectoryShared</b> : BOOLEAN = true Is the target directory shared by others on the generic server. When true, the target directory is not deleted during a destroy operation; only the artifacts copied to it.</p>

**Type Hierarchy** [www.ApacheConfFragmentSpec](#) >> generic.Resource >> udm.BaseDeployable >> udm.BaseConfigurationItem

**Interfaces** udm.Tagable, udm.Deployable, udm.ConfigurationItem

Specification for an Apache virtual host

Public Properties	
<b>documentRoot</b> :	<b>STRING</b> The document root for web content using this virtual host. If left blank, a directory is created in the web server's document root (string)
<b>host</b> :	<b>STRING</b> The virtual host name. Use "*" to match all hosts (string)
<b>port</b> :	<b>STRING</b> The virtual host port. Use "*" to match all ports (string)
<b>tags</b> :	<b>SET_OF_STRING</b> If set, this deployable will only be mapped automatically to containers with the same tag.

## www.DeployedApacheConfFile

**Type Hierarchy** generic.CopiedArtifact >> generic.AbstractDeployedArtifact >> generic.AbstractDeployed >> udm.BaseDeployed >> udm.BaseConfigurationItem

**Interfaces** udm.EmbeddedDeployedContainer, udm.Artifact, udm.Deployed, udm.ConfigurationItem, udm.DerivedArtifact

Deployed Apache configuration file

Parent	
* <b>container</b> :	<b>CI</b> <a href="#">udm.Container</a> The container on which this deployed runs.

Hidden Properties	
* <b>createOptions</b> : SET_OF_STRING = [uploadArtifactData, uploadClasspathResources, uploadTemplateClasspathResources]	Options for the create step (1 or more of: none,uploadArtifactData,uploadClasspathResources,uploadTemplateClasspathResources).
* <b>createOrder</b> : INTEGER = 50	The order of the step in the step list for the create operation.
* <b>createVerb</b> : STRING = Deploy	Create Verb
* <b>destroyOptions</b> : SET_OF_STRING = [uploadArtifactData, uploadClasspathResources, uploadTemplateClasspathResources]	Options for the destroy step (1 or more of: none,uploadArtifactData,uploadClasspathResources,uploadTemplateClasspathResources).
* <b>destroyOrder</b> : INTEGER = 40	The order of the step in the step list for the destroy operation.
* <b>destroyVerb</b> : STRING = Remove	Destroy Verb
* <b>modifyOptions</b> : SET_OF_STRING = [uploadArtifactData, uploadClasspathResources, uploadTemplateClasspathResources]	Options for the modify step (1 or more of: none,uploadArtifactData,uploadClasspathResources,uploadTemplateClasspathResources).
* <b>modifyOrder</b> : INTEGER = 50	The order of the step in the step list for the modify operation.
* <b>modifyVerb</b> : STRING = Modify	Modify Verb
* <b>noopOptions</b> : SET_OF_STRING = [uploadArtifactData, uploadClasspathResources, uploadTemplateClasspathResources]	Options for the noop step (1 or more of: none,uploadArtifactData,uploadClasspathResources,uploadTemplateClasspathResources).
* <b>noopOrder</b> : INTEGER = 50	The order of the step in the step list for the noop operation.
* <b>noopVerb</b> : STRING = Modify	Noop Verb
* <b>targetDirectory</b> : STRING = \${deployed.container.configurationFragmentDirectory}	Target directory name
* <b>targetFile</b> : STRING = \${deployed.name}	Target file name
<b>createTargetDirectory</b> : BOOLEAN = false	Create the target directory on the generic server if it does not exist.
<b>inspectClasspathResources</b> : SET_OF_STRING	Additional classpath resources that should be uploaded to the working directory before executing the inspect script.
<b>inspectScript</b> : STRING	Classpath to the script used to inspect the generic container.
<b>inspectTemplateClasspathResources</b> : SET_OF_STRING	Additional template classpath resources that should be uploaded to the working directory before executing the inspect script. The template is first rendered and the rendered content copied to a file, with the same name as the template, in the working directory.
<b>preserveExistingFiles</b> : BOOLEAN = false	if true, preserve the existing files on the remote host (do not delete the copied files during the destroy operation).
<b>restartRequired</b> : BOOLEAN = true	Restart Required
<b>restartRequiredForNoop</b> : BOOLEAN = false	The generic container requires a restart for the NOOP action performed by this deployed.
<b>targetDirectoryShared</b> : BOOLEAN = true	Is the target directory shared by others on the generic server. When true, the target directory is not deleted during a destroy operation; only the artifacts copied to it.
<b>targetPathSharedSubDirectories</b> : BOOLEAN = false	The sub directories on the target machine are not deleted if files other than that copied


by Deployit are present. Please note that setting this option to true will cause the removal process to be a bit slower.

## www.PublishedWebContent

**Type Hierarchy** generic.CopiedArtifact >> generic.AbstractDeployedArtifact >> generic.AbstractDeployed >> udm.BaseDeployed >> udm.BaseConfigurationItem

**Interfaces** udm.EmbeddedDeployedContainer, udm.Artifact, udm.Deployed, udm.ConfigurationItem, udm.DerivedArtifact

Web content on the webserver

Parent	
	<b>container</b> : <a href="#">CI&lt;udm.Container&gt;</a> The container on which this deployed runs.
Public Properties	
	<b>deployable</b> : <a href="#">CI&lt;udm.Deployable&gt;</a> The deployable that this deployed is derived from.
	<b>placeholders</b> : <a href="#">MAP_STRING_STRING</a> A Map containing all the placeholders mapped to their values. Special values are <ignore> or <empty>
	<b>virtualHost</b> : <a href="#">CI&lt;www.ApacheVirtualHost&gt;</a> Virtual host which this web content maps to.

Hidden Properties
<p><b>* createOptions</b> : SET_OF_STRING = [uploadArtifactData, uploadClasspathResources, uploadTemplateClasspathResources] Options for the create step (1 or more of: none,uploadArtifactData,uploadClasspathResources,uploadTemplateClasspathResources).</p>
<p><b>* createOrder</b> : INTEGER = 50 The order of the step in the step list for the create operation.</p>
<p><b>* createVerb</b> : STRING = Deploy Create Verb</p>
<p><b>* destroyOptions</b> : SET_OF_STRING = [uploadArtifactData, uploadClasspathResources, uploadTemplateClasspathResources] Options for the destroy step (1 or more of: none,uploadArtifactData,uploadClasspathResources,uploadTemplateClasspathResources).</p>
<p><b>* destroyOrder</b> : INTEGER = 40 The order of the step in the step list for the destroy operation.</p>
<p><b>* destroyVerb</b> : STRING = Remove Destroy Verb</p>
<p><b>* modifyOptions</b> : SET_OF_STRING = [uploadArtifactData, uploadClasspathResources, uploadTemplateClasspathResources] Options for the modify step (1 or more of: none,uploadArtifactData,uploadClasspathResources,uploadTemplateClasspathResources).</p>
<p><b>* modifyOrder</b> : INTEGER = 50 The order of the step in the step list for the modify operation.</p>
<p><b>* modifyVerb</b> : STRING = Modify Modify Verb</p>
<p><b>* noopOptions</b> : SET_OF_STRING = [uploadArtifactData, uploadClasspathResources, uploadTemplateClasspathResources] Options for the noop step (1 or more of: none,uploadArtifactData,uploadClasspathResources,uploadTemplateClasspathResources).</p>
<p><b>* noopOrder</b> : INTEGER = 50 The order of the step in the step list for the noop operation.</p>
<p><b>* noopVerb</b> : STRING = Modify Noop Verb</p>
<p><b>* targetDirectory</b> : STRING = &lt;#assign target=(deployed.virtualHost.documentRoot)!"/&gt;&lt;#if target != "&gt;\${target}&lt;#else&gt;\${deployed.container.defaultDocumentRoot}&lt;/#if&gt; Target directory name</p>
<p><b>createTargetDirectory</b> : BOOLEAN = false Create the target directory on the generic server if it does not exist.</p>
<p><b>inspectClasspathResources</b> : SET_OF_STRING Additional classpath resources that should be uploaded to the working directory before executing the inspect script.</p>
<p><b>inspectScript</b> : STRING Classpath to the script used to inspect the generic container.</p>
<p><b>inspectTemplateClasspathResources</b> : SET_OF_STRING Additional template classpath resources that should be uploaded to the working directory before executing the inspect script. The template is first rendered and the rendered content copied to a file, with the same name as the template, in the working directory.</p>
<p><b>preserveExistingFiles</b> : BOOLEAN = false if true, preserve the existing files on the remote host (do not delete the copied files during the destroy operation).</p>
<p><b>restartRequired</b> : BOOLEAN = false Restart Required</p>
<p><b>restartRequiredForNoop</b> : BOOLEAN = false The generic container requires a restart for the NOOP action performed by this deployed.</p>
<p><b>targetDirectoryShared</b> : BOOLEAN = true Is the target directory shared by others on the generic server. When true, the target directory is not deleted during a destroy operation; only the artifacts copied to it.</p>
<p><b>targetFile</b> : STRING Target File</p>
<p><b>targetPathSharedSubDirectories</b> : BOOLEAN = false</p>



The sub directories on the target machine are not deleted if files other than that copied by Deployit are present. Please note that setting this option to true will cause the removal process to be a bit slower.

## www.WebContent

**Type Hierarchy** generic.Folder >> udm.BaseDeployableFolderArtifact >> udm.BaseDeployableArtifact >> udm.BaseDeployable >> udm.BaseConfigurationItem

**Interfaces** udm.Taggable, udm.Deployable, udm.SourceArtifact, udm.Artifact, udm.DeployableArtifact, udm.ConfigurationItem, udm.FolderArtifact

Folder containing web content (HTML pages, images, etc)

Public Properties	
<b>checksum</b> :	STRING The checksum used to detect differences on the artifact. If not provided, it will be calculated by Deployit.
<b>excludeFileNamesRegex</b> :	STRING Regular expression that matches file names that must be excluded from scanning
<b>placeholders</b> :	SET_OF_STRING Placeholders detected in this artifact
<b>scanPlaceholders</b> :	BOOLEAN = true Whether to scan this artifact for placeholders when it is imported
<b>tags</b> :	SET_OF_STRING If set, this deployable will only be mapped automatically to containers with the same tag.
Hidden Properties	
* <b>textFileNamesRegex</b> :	STRING = .+\. (cfg   conf   config   ini   properties   props   txt   asp   aspx   htm   html   jsf   jsp   xht   xhtml   sql   xml   xsd   xsl   xslt) Regular expression that matches file names of text files